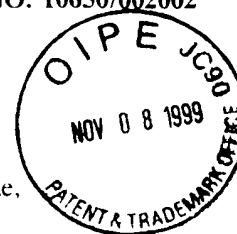


COMBINED DECLARATION AND POWER OF ATTORNEY



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **METHODS AND COMPOSITIONS FOR USE IN GENE THERAPY FOR TREATMENT OF HEMOPHILIA**, the specification of which

☐ is attached hereto.

☒ was filed on September 10, 1999 as Application Serial No. 09/393,844
and was amended on _____.

☐ was described and claimed in PCT International Application No. _____
filed on _____ and as amended under
PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information I know to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. SERIAL NO.	FILING DATE	STATUS
<u>09/038,910</u>	<u>3/12/98</u>	<input checked="" type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned
<u>60/040,711</u>	<u>3/14/97</u>	<input checked="" type="checkbox"/> Pending <input type="checkbox"/> Issued <input type="checkbox"/> Abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Richard J. Anderson, Reg. No. 36,732; Joseph R. Baker, Reg. No. 40,900; Ingrid Beattie, Reg. No. 42,306; Robert M. Bedgood, Reg. No. 43,488; Mark S. Ellinger, Reg. No. 34,812; J.Eldora L. Ellison, Reg. No. 39,967; Peter Fasse, Reg. No. 32,983; J. Patrick Finn, III, Reg. No. 44,109; Harold Fox, Reg. No. 41,498; Janis K. Fraser, Reg. No. 34,819; John W. Freeman, Reg. No. 29,066; Diane L. Gardner, Reg. No. 36,518; Scott Harris, Reg. No. 32,030; John F. Hayden, Reg. No. 37,640; George Heibel, 42,648; John Land, Reg. No. 29,554; Ronald C. Lundquist, Reg. No. 37,875; Anita L. Meiklejohn, Reg. No. 35,283; Reginald Suyat, Reg. No. 28,172; Y. Rocky Tsao, Reg. No. 34,054; Hans R. Troesch, Reg. No. 36,950; John R. Wetherell, Jr., Reg. No. 31,678; Dorothy P. Whelan, Reg. No. 33,814, of FISH & RICHARDSON P.C.

Address all telephone calls to Joseph R. Baker, Esq. at telephone number 619/678-5070.

Address all correspondence to Joseph R. Baker, Esq., at Fish & Richardson P.C., 4225 Executive Square, Suite 1400, La Jolla, CA 92037.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

COMBINED DECLARATION AND POWER OF ATTORNEY CONTINUED

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Inventor's Signature: Katherine High

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Citizen of: U.S.

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Full Name of Inventor: Roland W. Herzog

Inventor's Signature: [Signature]

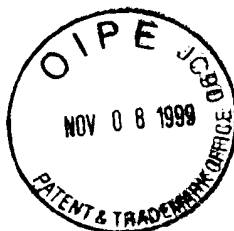
Date: 10-28-99

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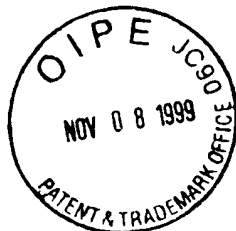
Citizen of: Germany

Post Office Address: _____

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Applicant : Katherine A. High et al.
Serial No. : 09/393,844
Filed : September 10, 1999
Page : 2



Attorney's Docket No.: 10650-002002
Client's Ref. No.: CHOP-0004DF

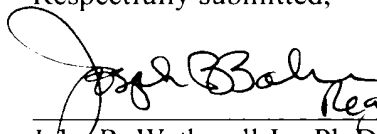
It is understood that this perfects the application and no additional papers or filing fees are required. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: _____

11/4/99

JRW/jzb


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